

## AMENDMENT TO THE CLAIMS

Please cancel claim 6 without prejudice and amend claims 1, 5, 7, 14, 16, 20-24, matter to be added is shown in underline and matter to be deleted is shown in strikethrough, and add new claims 25 as follows:

1. (currently amended) Apparatus for cleaning residue containing tubes, comprising:
  - a) a hose having a spray tip containing a plurality of orifices;
  - b) a water source delivering water to said hose at a pressure in excess of 1,000 psi; and
  - c) a framework supporting i) transport means including a plurality of pinch rollers coupled to said hose and mounted to rotate at said framework to extend and retract said hose with a reciprocating motion ~~mounted to rotate at said framework for extending and retracting said hose with a reciprocating motion~~, ii) reel means mounted to rotate at said framework for coiling and distributing said hose along a longitudinal drive axis common to each of said transport means and said reel means, and iii) wherein said transport means further includes a control linkage that directs axial and rotational movement of said hose in synchrony with one another.
2. (previously presented) Apparatus as set forth in claim 1 including an arm that directs said hose to and from a hub of said reel means.
3. (original) Apparatus as set forth in claim 2 wherein said hose is collected at a tapered surface of said hub that extends at an acute angle relative to the longitudinal drive axis.

4. (original) Apparatus as set forth in claim 2 wherein said hub exhibits a frustum shape and is concentrically mounted within a surrounding housing.

5. (currently amended) Apparatus as set forth in claim 1 wherein said water source includes a swivel coupled to said hose ~~a swivel couples water to said hose.~~

Claim 6. (cancelled)

7. (currently amended) Apparatus as set forth in claim 1 ~~6~~ including an adjustable linkage mounted to resiliently bias said pinch rollers to contact said hose.

8. (previously presented) Apparatus as set forth in claim 2 wherein said arm is mounted to coil said hose on said hub.

9. (previously presented) Apparatus as set forth in claim 2 wherein said reel means comprises a hub and a concentric housing.

10. (original) Apparatus as set forth in claim 1 including cleaning means mounted concentric to said longitudinal drive axis for cleaning the external surface of said hose.

11. (original) Apparatus as set forth in claim 10 including a brush mounted concentric to said longitudinal drive axis for cleaning the external surface of said hose.

12. (previously presented) Apparatus as set forth in claim 1 including a manifold mounted concentric to said longitudinal drive axis and coupled to a water source and having a plurality of outlets for directing spray to clean said hose.

13. (previously presented) Apparatus as set forth in claim 14 including a motor, a drive belt and a plurality of pulleys mounted to control the rotation of said hose.

14. (currently amended) Apparatus for cleaning residue containing tubes, comprising:

a) a hose having a spray tip containing a plurality of orifices; and

b) a water source delivering water to said hose at a pressure in the range of 1,000 to 60,000 psi; and

c) a frame work supporting a reel having a hub, wherein said reel is mounted to rotate at said framework, an arm mounted to coil said hose onto said hub, a plurality of pinch rollers mounted to contact said hose and rotate at said frame work and coupled to direct said hose to and from said reel, and a control linkage that directs axial and rotational movement of said hose in synchrony with one another, whereby said hose and spray tip are rotated as they extend and retract along a bore of said tube to clean said residue.

15. (previously presented) Apparatus as set forth in claim 14 wherein said hub exhibits a frustum shape.

16. (currently amended) Apparatus for cleaning residue containing tubes, comprising:

- a) a hose having a spray tip containing a plurality of orifices;
- b) a water source delivering water to said hose at a pressure in the range of 1,000 to 60,000 psi;
- c) a framework supporting i) a plurality of pinch rollers mounted to contact said hose and extend and retract said hose with a reciprocating motion along a longitudinal drive axis, ii) a reel having a hub for collecting and distributing said hose, iii) an arm mounted at an acute angle relative to said longitudinal drive axis to coil said hose along a tapered surface of said hub, ~~and~~ iv) a motor and a drive linkage coupled to rotate said pinch rollers and said reel, and v) a control linkage that directs axial and rotational

movement of said hose in synchrony with one another, whereby said hose and spray tip are rotated as they extend and retract along a bore of said tube to clean said residue.

17. (previously presented) Apparatus as set forth in claim 16 including a manifold mounted concentric to said longitudinal drive axis and coupled to a water source and having a plurality of outlets directed to clean said hose.

18. (previously presented) Apparatus as set forth in claim 16 wherein a motor, drive belt and a plurality of pulleys determine the speed of rotation of said hose.

19. (previously presented) Apparatus as set forth in claim 16 including an adjustable, resilient linkage biasing said pinch rollers into contact with said hose.

20. (currently amended) Apparatus for cleaning residue containing tubes, comprising:

a) a hose having a spray tip containing a plurality of orifices;

b) a water source delivering water to said hose at a pressure in the range of 1,000 to 60,000 psi; and

c) a framework supporting i) a plurality of pinch rollers mounted to resiliently contact and direct said hose with a reciprocating motion along a longitudinal drive axis, ii) a reel having a hub for collecting and distributing said hose, iii) a member mounted to coil said hose on said hub, and iv) a control linkage including a motor coupled to direct axial and rotational movement of said hose in synchrony with one another ~~a motor and a drive linkage coupled to rotate said rollers and said reel~~, whereby said hose and spray tip are rotated as they extend and retract along a bore of said tube to clean said residue.

21. (currently amended) Apparatus as set forth in claim 14 including an adjustable, resilient linkage biasing said plurality of pinch rollers into contact with said hose.

22. (currently amended) Apparatus as set forth in claim 14 wherein said water source includes a swivel coupled to said hose ~~a swivel couples water to said hose~~.

23. (currently amended) Apparatus as set forth in claim 16 wherein said water source includes a swivel coupled to said hose ~~a swivel couples water to said hose~~.

24. (currently amended) Apparatus as set forth in claim 20 wherein said water source includes a swivel coupled to said hose ~~a swivel couples water to said hose~~.

25. (new) Apparatus for cleaning residue containing tubes, comprising:

- a) a hose having a spray tip containing a plurality of orifices;
- b) a water source delivering water to said hose at a pressure in excess of 1,000 psi; and
- c) a framework supporting i) transport means including a plurality of pinch rollers, wherein an adjustable linkage resiliently biases said pinch rollers to contact said hose, and wherein said pinch rollers are mounted to rotate at said framework to extend and retract said hose with a reciprocating motion, ii) reel means mounted to rotate at said framework for coiling and distributing said hose along a longitudinal drive axis common to each of said transport means and said reel means, and iii) wherein said transport means further includes a control linkage that directs axial and rotational movement of said hose in synchrony with one another.

26. (new) Apparatus for cleaning residue containing tubes, comprising:

- a) a hose having a spray tip containing a plurality of orifices;

b) a water source delivering water to said hose at a pressure in excess of 1,000 psi; and

c) a framework supporting i) transport means including a plurality of pinch rollers, wherein an adjustable linkage resiliently biases said pinch rollers to contact said hose, and wherein said pinch rollers are mounted to rotate at said framework to extend and retract said hose with a reciprocating motion, ii) reel means mounted to rotate at said framework for coiling and distributing said hose along a longitudinal drive axis common to each of said transport means and said reel means, and iii) a control linkage that directs axial and rotational movement of said hose in synchrony with one another.